VON DUPRIN®

88 Series Exit Device



INGERSOLL-RAND
ARCHITECTURAL HARDWARE

INDEX

INTRODUCTION

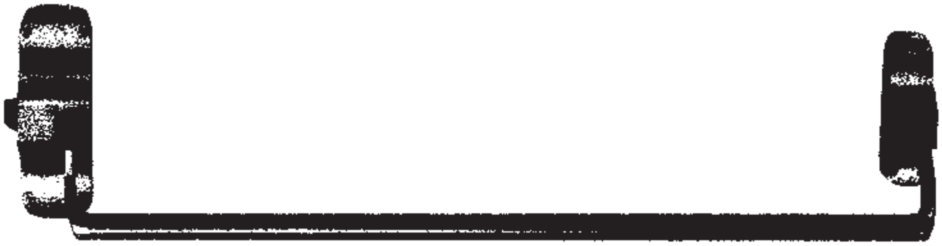
The proper selection and application of exit hardware, in addition to safety, are major concerns to all responsible manufacturers. Exit devices are a critical part of a door opening or access system and will provide safe and reliable service when properly applied and maintained. It is the policy of Von Duprin Division, Ingersoll-Rand Company, to design and manufacture exit devices to a high standard of quality and reliability in accordance with accepted U.S. domestic and international standards. All 88 series exit devices are UL listed for Accident Hazard and Fire Exit Hardware, and are tested in accordance to ANSI A156.3, 1994, Grade I.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.

Unusual operating conditions and environments and other external influences can affect the proper application of the products represented. Modifications of these products will also affect UL listings. It is recommended that whenever an unusual application condition exists, or when any modification of a product is considered, our engineers review the application.

Application engineering services are available to help ensure proper selection or to review any areas where users of Von Duprin products may have questions.

VON DUPRIN®
88 Rim Device





299

88 rim devices for all types of single and double doors with mullion, UL listed for accident hazard installations. Covers stock hollow metal doors with 86 or 161* cutouts.

FEATURES

- Field reversible
- Field sizeable
- 3/4" *(19mm)* throw latch bolt
- Five popular finishes
- Hex key dogging

DIMENSIONS

Crossbar height to finished floor	36 13/16" *(935mm)* at center
Crossbar projection — neutral depressed	 4 3/4" *(121mm)* 4" *(102mm)*
Crossbar length	42" *(1067mm)* field sizeable
Lock stile case	8 1/4" × 2 3/4" × 15/16" *(210mm × 70mm × 24mm)*
Hinge stile case	6" × 1 3/4" × 15/16" *(152mm × 44mm × 24mm)*
Crossbar tubing	1" *(25mm)*

STRIKE AND FASTENERS

Device is furnished standard with 299 strike in dull black finish. All necessary mounting fasteners are included. Optional strikes and finishes must be specified. For strike applications, dimensions, and minimum door stile information, refer to pages 14-15.

DEVICE OPTIONS

E88 Electric rim device, page 16.

*Not applicable with all strike and mullion combinations, consult factory.

OUTSIDE TRIM

Standard

880NL-RV
880TP-RV
880DT
880K-RV
373L

Optional

608NL-RV
608TP-RV
608DT
606K-RV
880EO

For complete outside trim information, see pages 11-13.

How-To-Order information on all devices, see page 22.





575

8875 mortise lock devices for all types of single or double doors, UL listed for accident hazard installations. Fits stock hollow metal doors with 86 cutouts and door stiles as narrow as 4³/₄" *(121mm).*

The 7500 mortise lock is equipped with a ³/₄" *(19mm)* anti-friction latch bolt which is field reversible without removing the lock from the door. It has a nonhanded auxiliary bolt for deadlocking and a faceplace with an adjustable bevel. Field selection of functions are furnished standard. TP, K or L function may be field selected by removing a set screw. Electric locking or unlocking options are available, refer to pages 18-19.

FEATURES

- Field sizeable
- ³/₄" *(19mm)* throw latch bolt
- Latch bolt deadlocking
- Five popular finishes
- Hex key dogging

DIMENSIONS

Crossbar height to finished floor Latch bolt height to finished floor	36¹³/₁₆" *(935mm)* at center 40³/₃₂" *(1018mm)* at center
Crossbar projection — neutral depressed	 4⁷/₈" *(124mm)* 4" *(102mm)*
Crossbar length	42" *(1067mm)* field sizeable
Lock stile case	8¹/₄" × 2" × ¹⁵/₁₆" *(210mm × 51mm × 24mm)*
Hinge stile case	6" × 1³/₄" × ¹⁵/₁₆" *(152mm × 44mm × 24mm)*
Crossbar tubing	1" *(25mm)*
Lock case	4⁵/₈" × 5³/₄" × 1³/₁₆" *(117mm × 146mm × 46mm)*
Face plate	1¹/₄" × 8" × ⁷/₃₂" *(32mm × 203mm × 6mm)*
Cylinder backset	2³/₄" *(70mm)*

OUTSIDE TRIM

Standard

880NL-M
880TP-M
880DT
880K-M
373L

Optional

608NL-M
608TP-M
608DT
606K-M
880EO

For complete outside trim information, see pages 11-13.

STRIKE AND FASTENERS

Device is furnished with standard 575 strike in dull black. All necessary mounting fasteners are included. Optional strikes and finishes must be specified. For strike applications, dimensions and minimum door stile information, refer to pages 14-15.

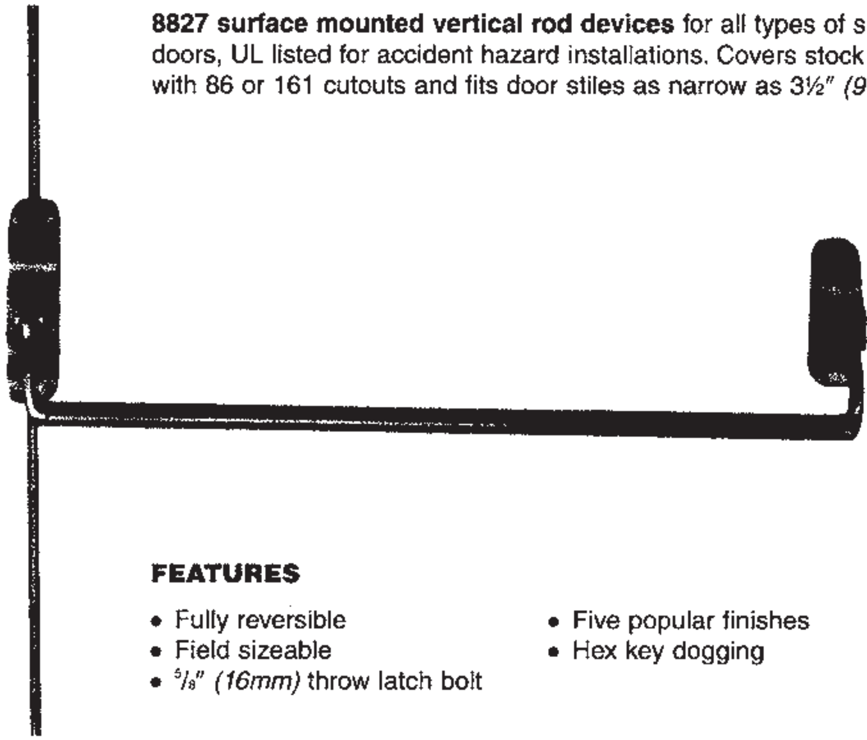
DEVICE OPTIONS

E8875 Electric mortise lock device, page 17.

How-To-Order information on all devices, see page 22.

VON DUPRIN®
88 Surface Mounted Vertical Rod Device





8827 surface mounted vertical rod devices for all types of single and double doors, UL listed for accident hazard installations. Covers stock hollow metal doors with 86 or 161 cutouts and fits door stiles as narrow as 3½" *(90mm)*.

FEATURES

- Fully reversible
- Field sizeable
- $\frac{5}{8}$" *(16mm)* throw latch bolt
- Five popular finishes
- Hex key dogging

DIMENSIONS

Crossbar height to finished floor	$36\frac{13}{16}$" *(935mm)* at center
Crossbar projection — neutral depressed	 $4\frac{7}{8}$" *(121mm)* 4" *(102mm)*
Crossbar width	42" *(1067mm)* field sizeable
Lock stile case	$8\frac{1}{4}$" × 2" × $\frac{15}{16}$" *(210mm × 51mm × 24mm)*
Hinge stile case	6" × $1\frac{3}{4}$" × $\frac{15}{16}$" *(152mm × 44mm × 24mm)*
Crossbar tubing	1" *(25mm)*
Top and Bottom latch case	4" × 2" × $1\frac{7}{8}$" *(102mm × 51mm × 48mm)*
Vertical Rod	$\frac{1}{2}$" *(13mm)* tubing

Note: Maximum door undercut, $\frac{1}{4}$" *(6mm)*.



299 248L-4 304L

OUTSIDE TRIM

Standard

880TP-RV
880DT
880K-RV
373L
377T × 880DT

Optional

608TP-RV
608DT
606K-RV
880EO

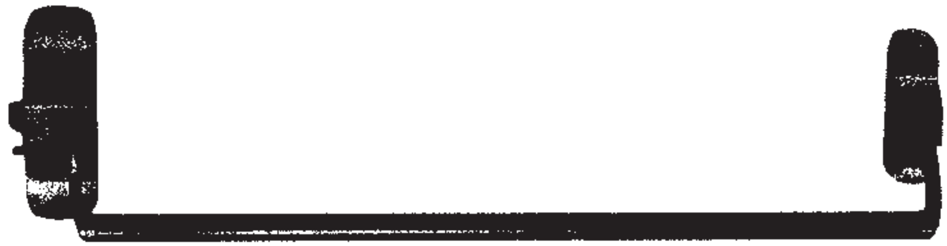
For complete outside trim information, see pages 11-13.

STRIKES AND FASTENERS

Device is furnished standard with 299 (in dull black), 248L-4 and 304L strikes. All necessary mounting fasteners are included. Optional strikes and finishes must be specified. For strike applications, dimensions and minimum door stile information, refer to pages 14-15.

Rod and latch guards are available. For complete information refer to page 18.

88 Fire Exit Rim Mortise





268

88-F fire exit rim devices for all types of 4′×8′ *(1219mm×2438mm)* single and 8′×8′ *(2438mm×2438mm)* double doors with 9954 mullion, UL listed, 3 hours.

FEATURES

- Field sizeable
- 3/4″ *(19mm)* throw latch bolt
- Latch bolt deadlocking
- Five popular finishes

DIMENSIONS

Crossbar height to finished floor	36 13/16″ *(935mm)* at centerr
Crossbar projection — neutral depressed	 4 7/8″ *(121mm)* 4″ *(102mm)*
Crossbar length	42″ *(1067mm)* field sizeable
Lock stile case	8 1/4″×2 3/4″×15/16″ *(210mm×70mm×24mm)*
Hinge stile case	6″×1 3/4″×15/16″ *(152mm×44mm×24mm)*
Crossbar tubing	1″ *(25mm)*

STRIKE AND FASTENERS

Device is furnished with standard 268 strike in dull black. All necessary mounting fasteners are included. Optional finishes must be specified. For strike applications, dimensions, and minimum door stile information, refer to pages 14-15.

DEVICE OPTIONS

E-88-F Electric Rim Device, page 16.

OUTSIDE TRIM

Standard

880NL-RV
880TP-RV
880K-RV
373L

Optional

608NL-RV
608TP-RV
606K-RV

For complete outside trim information, see pages 11-13.

For How-To-Order Information on all devices, see page 22.

VON DUPRIN®
88 Fire Exit Mortise Lock Device





575

8875-F fire exit mortise lock devices for all types of 4′ × 10′ *(1219mm × 3048mm)* single or 8′ × 8′ *(2438mm × 2438mm)* double doors, UL listed, 3 hours. Fits door stiles as narrow as $4^{3}/_{4}$″ *(121mm).*

The 7500 mortise lock is equipped with a $^{3}/_{4}$″ *(19mm)* anti-friction latch bolt which is field reversible without removing the lock from the door. It has a nonhanded auxiliary bolt for deadlocking and a faceplace with an adjustable bevel. Field selection of functions are furnished standard. TP, K, or L function may be field selected by removing a set screw. Electric locking or unlocking options are available; refer to pages 16-17.

FEATURES

- Field sizeable
- $^{3}/_{4}$″ *(19mm)* throw latch bolt
- Latch bolt deadlocking
- Five popular finishes

DIMENSIONS

Crossbar height to finished floor Latch bolt height to finished floor	$36^{13}/_{16}$″ *(935mm)* at center $40^{3}/_{32}$″ *(1018mm)* at center
Crossbar projection — neutral depressed	 $4^{7}/_{8}$″ *(124mm)* 4″ *(102mm)*
Crossbar length	42″ *(1067mm)* field sizeable
Lock stile case	$8^{1}/_{4}$″ × 2″ × $^{15}/_{16}$″ *(210mm × 51mm × 24mm)*
Hinge stile case	6″ × $1^{3}/_{4}$″ × $^{15}/_{16}$″ *(152mm × 44mm × 24mm)*
Crossbar tubing	1″ *(25mm)*
Lock case *(117mm × 146mm × 46mm)*	$4^{5}/_{8}$″ × $5^{3}/_{4}$″ × $1^{13}/_{16}$″
Face plate	$1^{1}/_{4}$″ × 8″ × $^{7}/_{32}$″ *(32mm × 203mm × 6mm)*
Cylinder backset	$2^{3}/_{4}$″ *(70mm)*

OUTSIDE TRIM

Standard

880NL-M
880TP-M
880K-M
373L

Optional

608NL-M
608TP-M
606K-M
880EO

For complete outside trim information, see pages 11-13.

STRIKE AND FASTENERS

Device is furnished with standard 575 strike in dull black. All necessary mounting fasteners are included. Optional strikes and finishes must be specified. For strike applications, dimensions, and minimum door stile information, refer to pages 14-15.

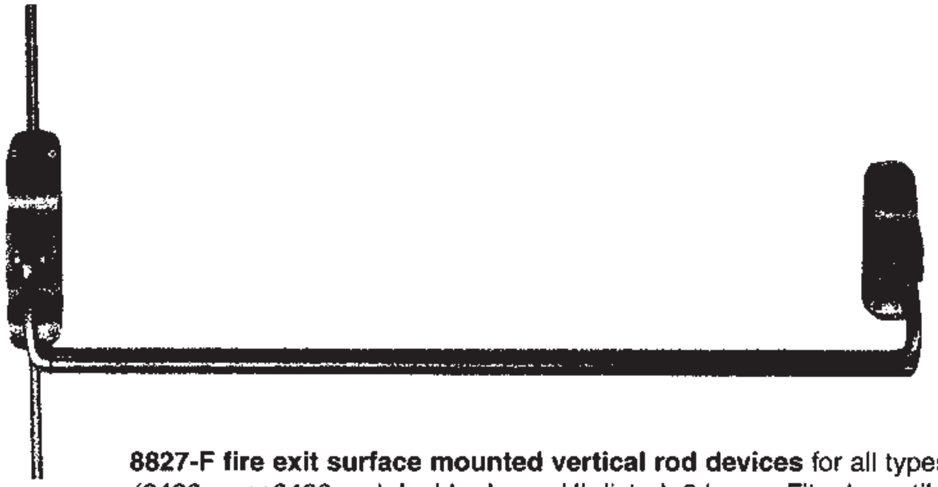
DEVICE OPTIONS

E8875-F Electric mortise lock device, page 17.

For How-To-Order Information on all devices, see page 22.

VON DUPRIN®
88 Fire Exit Surface Mounted Vertical Rod Device





8827-F fire exit surface mounted vertical rod devices for all types of 8′×8′ *(2438mm×2438mm)* double doors, UL listed, 3 hours. Fits door stiles as narrow as 3 3/4" *(95mm)*.



FEATURES

- Fully reversible
- Field sizeable
- 5/8" *(16mm)* throw latch bolt
- Five popular finishes

DIMENSIONS

Crossbar height to finished floor	36 13/16" *(935mm)* at center
Crossbar projection — neutral depressed	 4 7/8" *(124mm)* 4" *(102mm)*
Crossbar length	42" *(1067mm)* field sizeable
Lock stile case	8 1/4"×2"×15/16" *(210mm×51mm×24mm)*
Hinge stile case	6"×1 3/4"×15/16" *(152mm×44mm×24mm)*
Crossbar tubing	1" *(25mm)*
Top or bottom latch case	4"×2"×1 7/8" *(102mm×51mm×48mm)*
Vertical rod	1/2" *(13mm)* tubing

Note: Maximum door undercut, 1/4" *(6mm)*.



304L

STRIKE AND FASTENERS

Device is furnished standard with 304L strike. All necessary mounting fasteners and the sex nuts and bolts required for the latches are included. For strike applications, dimensions, and minimum door stile information, refer to pages 14-15.

Rod and latch guards are available. For complete information refer to page 18.

OUTSIDE TRIM

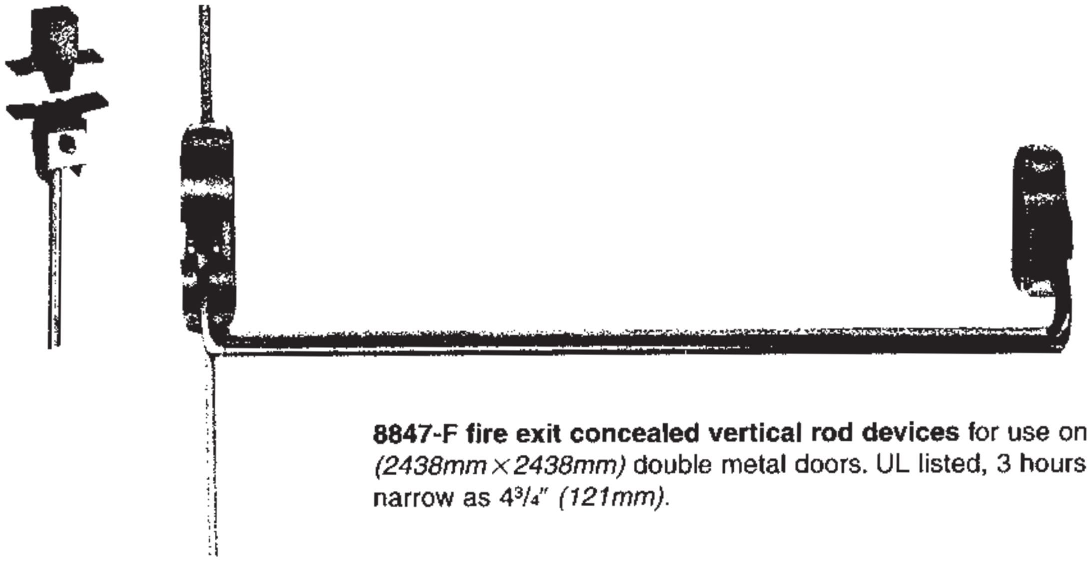
Standard
880TP-RV
880K-RV
373L
377T×880DT

Optional
608TP-RV
606K-RV

For complete outside trim information, see pages 11-13.

For How-To-Order Information on all devices, see page 22.

VON DUPRIN®
88 Fire Exit Concealed Vertical Rod Device



8847-F fire exit concealed vertical rod devices for use on 8′×8′ *(2438mm×2438mm)* double metal doors. UL listed, 3 hours and fits door stiles as narrow as $4^{3}/_{4}$" *(121mm)*.

FEATURES

- Field sizeable
- $^{5}/_{8}$" *(16mm)* throw latch bolt
- Five popular finishes



301L

DIMENSIONS

Crossbar height to finished floor	$36^{13}/_{16}$" *(935mm)* at center
Crossbar projection — neutral depressed	 $4^{7}/_{8}$" *(124mm)* 4" *(102mm)*
Crossbar length	42" *(1067mm)* field sizeable
Lock stile case	$8^{1}/_{4}$"×2"×$^{15}/_{16}$" *(210mm×51mm×24mm)*
Hinge stile case	6"×$1^{3}/_{4}$"×$^{15}/_{16}$" *(152mm×44mm×24mm)*
Crossbar tubing	1" *(25mm)*
Vertical rod	$^{3}/_{8}$" *(10mm)* hexagon

Note: Maximum door undercut, $^{1}/_{4}$" *(6mm)*.

STRIKE AND FASTENERS

Device is furnished standard with 301L strike. All necessary mounting fasteners are included. Optional strikes must be specified. For strike applications, dimensions, and minimum door stile information, refer to pages 14-15.

Rod and latch guards are available. For complete information refer to page 18.

OUTSIDE TRIM

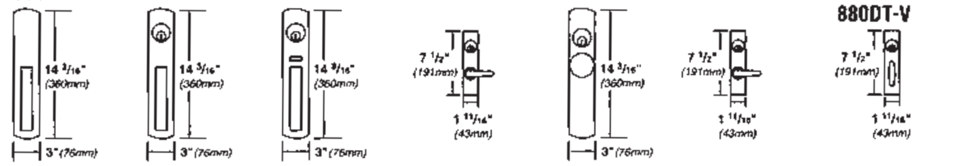
Standard
371L
376T×880DT

For complete outside trim information, see pages 11-13.

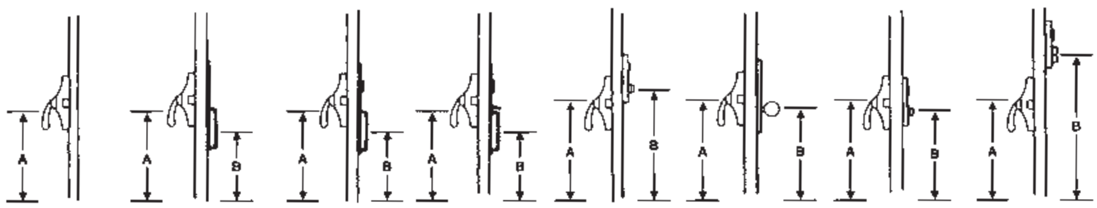
For How-To-Order Information on all devices, see page 22.

VON DUPRIN®
88 Trim Selection

Function	01 Exit Only	02 Pull When Dogged	03 Key Retracts Latchbolt	05 Key Retracts Thumbpiece	06 Key Locks Lever	08 Key Locks Knob	08 Key Locks Lever	11/12 Key Locks Thumbturn
Trim Number and Dimensions		880DT	880NL	880TP	371-L	880K	373-L	377T or 376Tx 880DT-V



Device/Trim Center Line To Finished Floor



		01	02	03	05	06	08	08	11/12
Projection —		—	2" (51mm)	2" (51mm)	2" (51mm)	2 5/8" (67mm)	2 3/4" (70mm)	2 5/8" (67mm)	1 13/16" (46mm)
Rim	Panic	88EO	88DT	88NL	88TP	—	88K	88L	—
	Fire	88EO-F	—	88NL-F▲	88TP-F▲	—	88K-F▲	88L-F■	—
	Ctr. Line	A 39 13/16" (1011mm) —	A 39 13/16" (1011mm) B 33 11/32" (847mm)	A 39 13/16" (1011mm) B 33 11/32" (847mm)	A 39 13/16" (1011mm) B 32 13/16" (833mm)	—	A 39 13/16" (1011mm) B 36 13/16" (935mm)	A 39 13/16" (1011mm) B 36 13/32" (935mm)	—
Mortise Lock	Panic	8875EO	8875DT	8875NL	8875TP	—	8875K	8875L	—
	Fire	8875EO-F	—	8875NL-F	8875TP-F	—	8875K-F	8875L-F	—
	Ctr. Line	A 39 13/16" (1011mm) —	A 39 13/16" (1011mm) B 33 1/2" (851mm)	A 39 13/16" (1011mm) B 33 1/2" (851mm)	A 39 13/16" (1011mm) B 33 1/2" (851mm)	—	A 39 13/16" (1011mm) B 38 9/16" (979mm)	A 39 13/16" (1011mm) B 38 9/16" (979mm)	—
Surface Mounted Vertical Rod	Panic	8827EO	8827DT	—	8827TP	—	8827K	8827L	8827TL
	Fire	8827EO-F	—	—	8827TP-F	—	8827K-F	8827L-F	8827TL-F
	Ctr. Line	A 39 13/16" (1011mm) —	A 39 13/16" (1011mm) B 33 1/2" (851mm)	—	A 39 13/16" (1011mm) B 33 1/2" (851mm)	—	A 39 13/16" (1011mm) B 38 5/16" (973mm)	A 39 13/16" (1011mm) B 38 5/16" (973mm)	A 39 13/16" (1011mm) B 53 1/2" (1359mm)
Concealed Vertical Rod	Fire	8847EO-F	—	—	—	8847L-F	—	—	8847TL-F
	Ctr. Line	A 39 13/16" (1011mm) —	—	—	—	A 39 13/16" (1011mm) B 41 11/16" (1059mm)	—	—	A 39 13/16" (1011mm) B 53 1/2" (1359mm)
Additional SNB requirements		4/8/16	4,12	4	4,12	4	4,12	4,12	4
Cylinder Type Required	Device Type								
	Rim	—	—	Rim	Rim	—	Rim	Mortise	—
	Mortise	—	—	Mortise	Mortise	—	Mortise	Mortise	—
	Vert. Rod	—	—	—	Rim	—	Rim	Mortise	Mortise
	C.V.R.	—	—	—	—	Mortise	—	—	Mortise

▲*Requires Stainless Steel Trim for Wood or Composite Fire Doors.*
■*Requires 889 Plate for Wood or Composite Fire Doors.*
Note: 8827 uses 377T, 8847-F uses 376T.

STANDARD TRIM



880DT 880K 880NL 880TP 880EO 377T 373L

SERIES 880
Heavy 10 gauge *(2.4mm)* brass, bronze, or stainless steel. Available functions: 880DT, 880K, 880NL, and 880TP. Optional 880EO exit only trim plate is available. To order with the exit device, specify 88EOx880EO.

SERIES 377T
Thumbturn control has a forged brass 7/8" *(22mm)* thick escutcheon. Often used with DT trim or pull. An NL cylinder plate is included for thumbturn operation only when key is used. BE blank escutcheon is available, specify 377T-BE.

SERIES 373L
Lever control has a forged brass 7/8" *(22mm)* thick escutcheon. An NL cylinder plate is included for lever operation only when key is used. BE blank escutcheon is available, specify 373L-BE.

OPTIONAL TRIM



608DT 608NL 608TP 606K

SERIES 608
Narrow design 3/16" *(5mm)* thick brass, bronze, or stainless steel with flat pull grip. Available functions: 608DT, 608NL, and 608TP. When ordering with the exit device, specify 88NLx608NL.

SERIES 606K
Narrow design knob trim 3/16" *(5mm)* thick brass, bronze, or stainless steel 3/16" *(5mm)* escutcheon.

LEVER DESIGN OPTIONS



#01 #02 #03 #06 Standard #07 #12 #17

OPERATION OPTIONS — LEVER AND KNOB



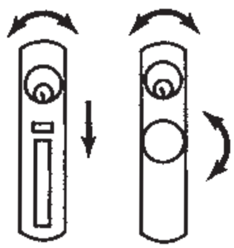
Standard Operation — Key locks and unlocks lever.



NL Function — Lever is locked when key is removed.



Blank Escutcheon — Lever always active. Use BE suffix, e.g., 373L-BE.



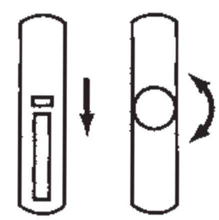
Standard Operation — Key locks and unlocks thumbpiece or knob.

TP-NL or K-NL Function — Trim is locked when key is removed (8827 & 8827-F only).



Night Latch — Key retracts latch bolt, knob is rigid.

Available with 88 Rim only. To order trim, specify 880K-R-Rigid.



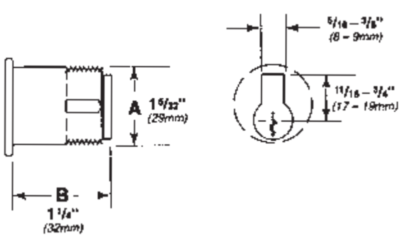
Blank Escutcheon — Knob or thumbpiece always active, use BE suffix, e.g., 880K-BE.

CYLINDERS

Cylinders are not furnished with device or trim and must be specified when ordering. Rim, surface vertical rod and concealed vertical rod exit devices use rim type cylinders. Mortise lock exit devices and series 370 controls use mortise type cylinders.

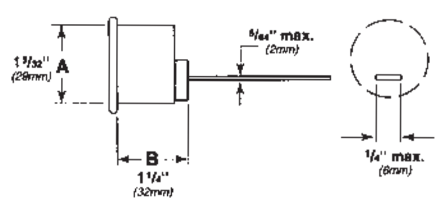


Mortise – 3215 (Schlage B502-191 cam)





Rim – 3216



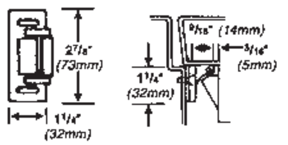
STRIKE APPLICATION/MINIMUM STILE

Device Type	Standard				Optional			
	Single door		Double door		Single door		Double door	
	Strike	Stile	Strike w/Mullion	Stile	Strike	Stile	Strike w/Mullion***	Stile
88	299	4 3/8" (111mm)	264 × 4954	4 11/16" (119mm)	264	4 1/8" (105mm)	299 × 5254/5654	4 1/4" (108mm)
					1409	3 3/8" (86mm)	264 × 5254/5654	4" (107mm)
							264 × 4954	4 7/16" (113mm)
					1606	3 15/16" (100mm)	1606 × 1654	4 1/4" (108mm)
					—	—	1609*	4" (107mm)
					—	—	1610**	4 7/16" (113mm)
88-F	268	4 3/8" (111mm)	268 × 9954	4 11/16" (119mm)	—	—	—	
	Strike	Stile	Strike	Stile	Strike	Stile	Strike	Stile
8875	575	4 3/4" (121mm)	—	—	—	—	575-2 576A-576B	4 3/4" (121mm)
8875-F	575	4 3/4" (121mm)	—	—	—	—	575-2 576A-576B	4 3/4" (121mm)
	Strike	Stile	Strike	Stile				
8827 Latch Retraction	299 (Top) 304L/248L-4 (Bottom)		Single door Two vertical rod devices Vertical rod w/mortise lock device	2 13/16" (71mm) 2 1/2" (64mm) 4 3/4" (121mm)	260U (Top) 385A (Bottom)		Single door Two vertical rod devices Vertical rod w/mortise lock device	2 13/16" (71mm) 2 1/2" (64mm) 4 3/4" (121mm)
8827-F	Soffit Latch (Top) 304L (Bottom)		Two vertical rod devices Vertical rod w/mortise lock device	3 3/4" (95mm) 4 3/4" (121mm)	385A (Bottom)			
8847-F	Soffit Latch (Top) 301L (Bottom)		Two vertical rod devices Vertical rod w/mortise lock device	4 3/4" (121mm) 4 3/4" (121mm)	304L (Bottom)		Single door Two vertical rod devices Vertical rod w/mortise lock device	4 3/4" (121mm) 3 3/4" (95mm) 4 3/4" (121mm)

*Use for rim/vertical rod combination — consult factory.
**Use for rim/vertical rod combination on stock hollow metal doors — consult factory.
***For mullion information, refer to the General and Auxiliary catalog.

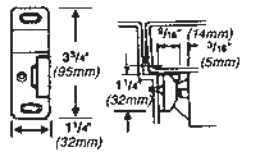
STRIKES FOR RIM DEVICES

264



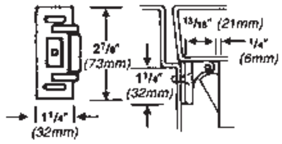
Projection $^9/_{16}$" *(14mm)*

268



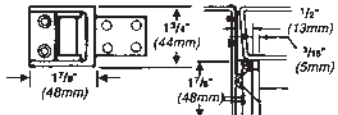
Projection $^{13}/_{16}$" *(21mm)*

299



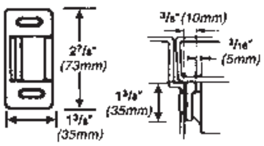
Projection $^{13}/_{16}$" *(21mm)*

1409 – Blade Stop



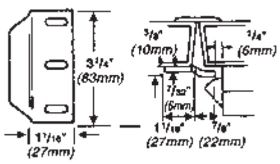
Projection $^1/_2$" *(13mm)*

1606



Projection $^3/_8$" *(10mm)*

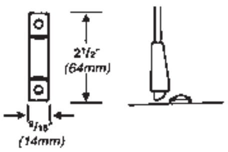
1609



For rim/vertical rod combination — consult factory

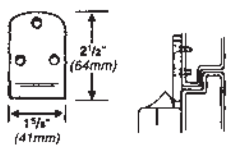
STRIKES FOR VERTICAL ROD DEVICES

248L-4



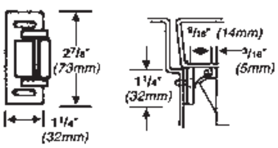
Projection $^3/_8$" *(10mm)*

260U – Flush Transom Only



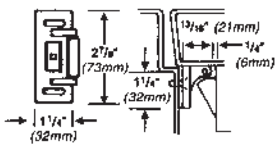
Projection $^3/_8$" *(10mm)*

264



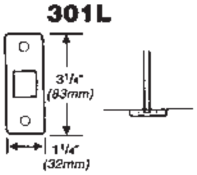
Projection $^5/_8$" *(16mm)*

299



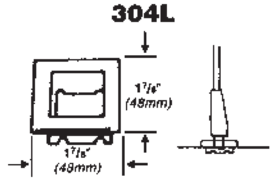
Mortise $2^1/_2$" *(64mm)*

301L



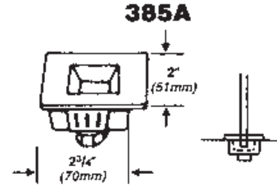
Mortise $^3/_4$" *(19mm)*

304L



Mortise $^{13}/_{16}$" *(21mm)*

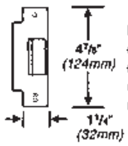
385A



Mortise $2^1/_2$" *(64mm)*

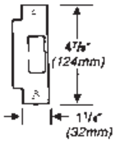
STRIKES FOR MORTISE LOCK DEVICES

575



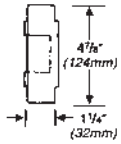
For use on $1^3/_4$" *(44mm)* or $2^1/_4$" *(57mm)* Single door and $2^1/_4$" *(57mm)* double door with coordinator.

575-2



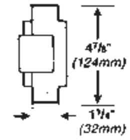
For use on $1^3/_4$" *(44mm)* thick double door with coordinator.

576A



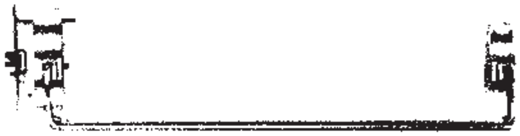
Open back strike for $1^3/_4$" *(44mm)* thick double doors without coordinator.

576B



Open back strike for $2^1/_4$" *(57mm)* thick double doors without coordinator.

E88 ELECTRIC RIM DEVICE



The E88 electric rim device provides remote unlocking capabilities. A control station operator can flip a switch to lock or unlock the outside trim. The 24 VDC solenoid assembly contains a SPDT signal switch to monitor the outside trim (locked or unlocked).

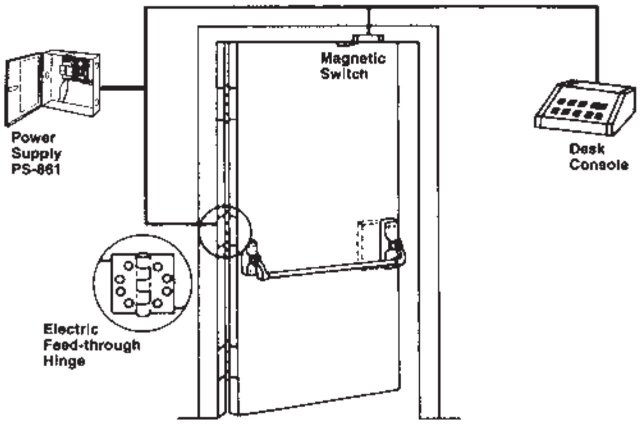
Available in fail safe or fail secure, 24 VDC or 24 VAC with rectifier. On fail secure models the trim returns to the locked mode after being operated either by the cylinder or momentary operation by the solenoid. The trim will remain unlocked if the solenoid remains energized.

Note: Some fire codes will require "Fail Safe" (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

Electrical Rating:
Each switch rated 0.3 Amp. 24 VDC.

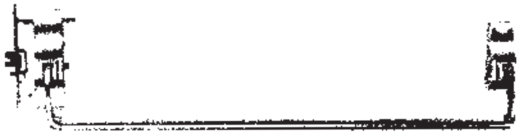
To order, specify:
1. Use prefix "E", example E88TP.
2. Handing, LHR or RHR, see page 22.
3. Voltage, 24 VDC or 24 VAC/SO.
4. FSE (fail secure) standard, specify FS (fail safe) when applicable.
5. Outside trim. "TP" or "K" function only

POPULAR E88 APPLICATION



Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location — stairwells, exterior doors, etc.

E8875 ELECTRIC MORTISE LOCK DEVICE



The E8875 electric mortise lock device has all the versatility and advantages of the 8875 mortise lock device, plus the advantage of being electrically controllable by a remote switching device, an access control or automatic device, or an automatic fire alarm system. The E8875 feature **controls the locking of the outside trim.** When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking, but require unlocking during a fire emergency. Key override is an NL type function.

Standard Features:
- Field reversible mortise lock
- 24 VDC continuous duty solenoid
- Tamper resistant (auxiliary dead latch)
- Silent operation
- Corrosion resistant
- Signalling functions
- Key mechanically retracts latchbolt.

Optional Features:
- Fail safe (locked when energized, unlocked when de-energized or during power failure, specify with suffix "FS").
- Fail secure (unlocked when energized — specify with suffix "FSE"). Outside trim automatically relocks, unless held unlocked electrically.
- 24 VAC (by adding SO option).
- 12 VDC or 12 VAC with SO option.

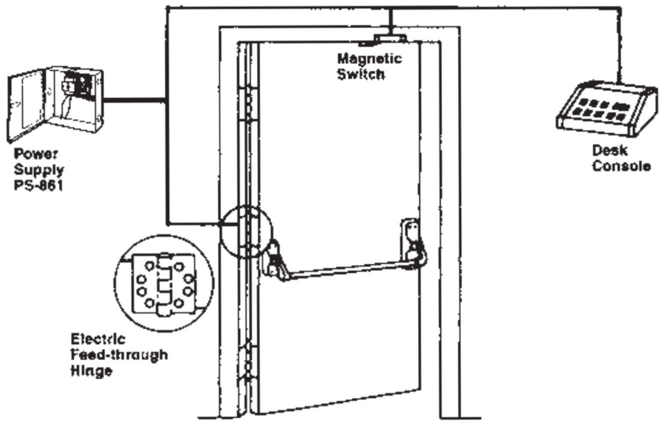
Note: Some Fire codes will require "Fail Safe" (FS) operation for stairwell doors. Be sure to specify the correct operation for your application.

To order, specify:

1a. E8875 or E8875F.
1b. E7500 (if lock only is required).
2. FS or FSE.
3. Voltage.
4. Handing, LHR or RHR, see page 22.
5. Outside trim. "TP," "K," or "L-BE" function only. When using with "L" function, no cylinder operation is available. Outside control is furnished "BE".

Consult Electrical Accessories catalog for additional information.

POPULAR E8875 APPLICATION



Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location — stairwells, exterior doors, etc.

VERTICAL ROD AND LATCH GUARD — RG-27



Series RG-27 Vertical Rod and Latch Guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If these bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10″ high. The standard latch guard features a 45° ramp. The extended latch guard offers a continuous ramp in 3′ or 4′ widths.

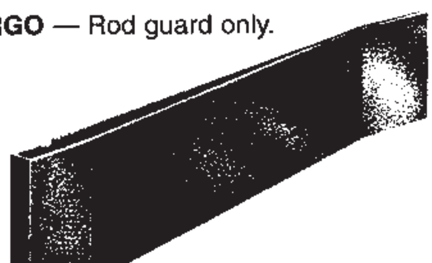


All stainless steel construction, in US32D finish. Latch guards can cover latches as large as 1 1/4″W × 10″H × 1 7/8″ projection.

Models

RG-27 — Rod and latch guard.
RG-27-3 — 3′ *(914mm)* Extended rod and latch guard.
RG-27-4 — 4′ *(1219mm)* Extended rod and latch guard.

RGO — Rod guard only.

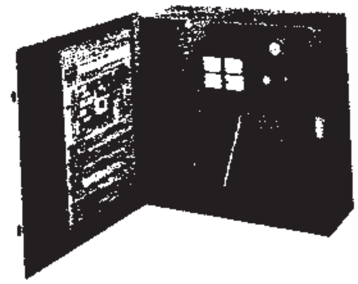


Extended Latch Guard

LGO — Latch guard only.
LGO-3 — 3′ *(914mm)* Extended latch guard only.
LGO-4 — 4′ *(1219mm)* Extended latch guard only.

To order, specify:
1. Model number

POWER SUPPLIES



Standard

UL Listed
Class 2, Power Supply
UL1012
UL1310

The series PS861 power supply is designed for electric locking or monitoring on single or double door applications. The output power is field selectable for either 24 VDC @ 1 ampere or 12 VDC @ 2 ampere. Standard input 120 VAC @ 0.6 ampere and 240 VAC @ 0.3 ampere available. Terminal block will accept up to 14 gauge stranded wire.

The gray enclosure is 10″ × 10″ × 4″ *(254mm × 254mm × 102mm)* has a hinged cover, and is constructed of heavy 19 gauge steel. Six 1/2″ *(13mm)* knockout holes are provided for conduit connection.

Options include keylock cover and sealed lead acid battery pack. The pair of batteries will provide back-up power for three hours at full load or seven hours at half load. Batteries will automatically recharge when failed power is restored.

FOUR MODELS:



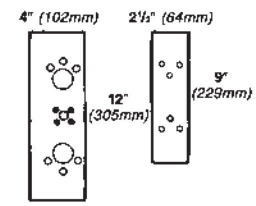
With keylock and batteries

PS861	Standard supply
PS861K	Standard supply with keylock cover
PS861B	Battery backup
PS861BK	Battery backup and keylock cover

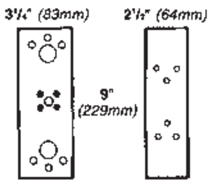
To order, specify:
1. Model number

COVER PLATE KITS

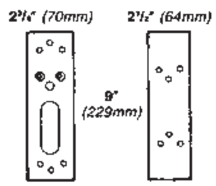
Devices



882



887



888

882 Kit

For 88 rim devices applied over mortise lock or discontinued device cutouts.

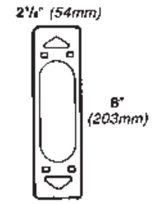
887 Kit

Required for 88 rim/ 8827 vertical rod device combinations on pairs of doors with ANSI 161 cutout. (The 88 rim device backset is increased and exposes the 161 cutout when used with 8827).

888 Kit

Required for 8875 mortise or 8827 vertical rod devices on doors with ANSI 161 cutouts (device center case will not cover stock cutout).

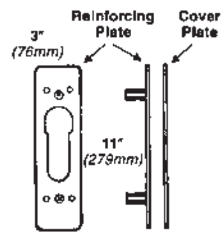
Controls



#10WDA

#10 WDA Kit

Required when 373L or 377T controls are used on wood doors with the following devices: 88L, 8827L, 8827TL, 8827TL-F, or 8875L (kit covers cutout and prevents control from damaging door).



889

889 Kit

Required when 373L controls are used with sex bolts (sex bolts must be used on wood or composite fire doors). Four studs on cover plate allow through-bolting to the device center case.

To order, specify:
1. Kit number.
2. Finish.
3. Device type (889 kit only).

AXLE SECURITY PIN

Non-removable security pin can be inserted into lever arm axle to prevent tampering or removal of lever arm.

To order, specify Part Number 033022 ***(package of 50).***

FINISHES

Color	US Number	BHMA Number
Brass, Polished	US 3	BHMA605
Brass, Dull	US4	BHMA606
Brass, Dull – oxidized	US10B	BHMA613
Chrome, Polished	US26	BHMA625
Chrome, Dull	US26D	BHMA626

Other finishes available, consult factory.

UL LISTED — FIRE EXIT HARDWARE LABEL/OPENING SIZE

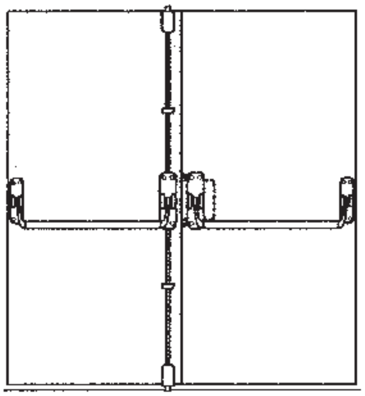
		Double Doors			
Exit Device	Single Door	With Mullion	Same Direction Vert./Vert.	Same Direction Vert./Mortise	Double Egress
88-F	3 Hour 4′×8′	3 Hour 8′×8′	—	—	—
8875-F	3 Hour 4′×10′	—	—	3 Hour 8′×10′	—
8827-F	—	—	90 Min.* 8′×8′	3 Hour 8′×8′	3 Hour 8′×8′
8847-F	—	—	90 Min. 8′×8′	3 Hour 8′×8′	3 Hour 8′×8′

*Wood door applications, 45 minute label.

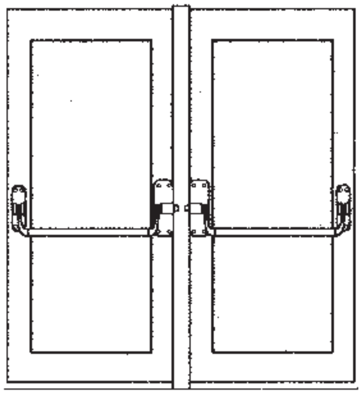
ANSI GRADE, TYPE & FUNCTION

Function	Grade 1 Type 1	Grade 1 Type 2	Grade 1 Type 3	Grade 1 Type 8
01	88EO, 88EO-F	8827EO, 8827EO-F	8875EO, 8875EO-F	8847EO-F
02	88DT	8827DT	8875DT	—
03	88NL, 88NL-F	—	8875NL, 8875NL-F	8847NL-F
05	88TP, 88TP-F	8827TP, 8827TP-F	8875TP, 8875TP-F	—
06	—	8827TP-NL, 8827TP-NL-F	—	—
08	88K, 88K-F 88L, 88L-F	8827K, 8827K-F 8827L, 8827L-F	8875K, 8875K-F 8875L, 8875L-F	8847L-F
09	88L, 88L-F	8827K-NL, 8827K-NL-F 8827L, 8827L-F	8875L, 8875L-F	8847L-F
11-12	—	8827TL, 8827TL-F	—	8847TL-F

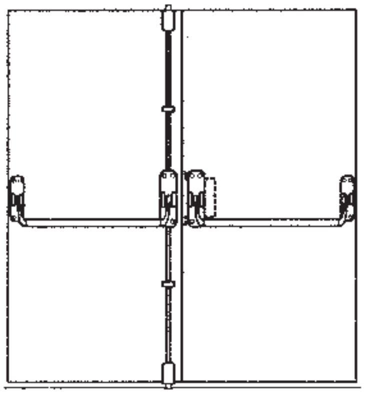
POPULAR DOUBLE DOOR APPLICATIONS



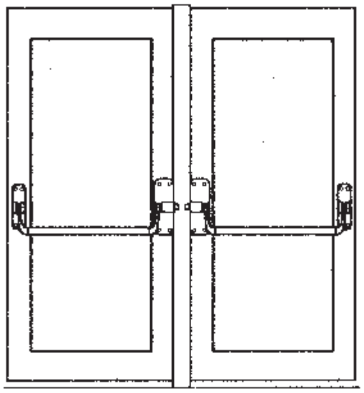
Mortise lock and surface mounted vertical rod device combination — same direction



Two rim devices with mullion — same direction



Two vertical rods — double egress



Two surface mounted vertical rod devices — same direction (do not use with overlapping astragal)

FUNCTION CONVERSION KITS

Device Type	Kit	Converts from –	Converts to –	Trim Included
88	CK-NL	TP, K	NL	880NL-R
	CK-TP	EO, DT, NL, K	TP	880TP-R
	CK-K	EO, DT, NL, TP	K	880K-R
	CK-K × 373L	EO, DT, NL, TP	L	373L × 889 Plate (NL, DT, TP)
88-F	CK-NL-F	TP-F, K-F	NL-F	880NL-R
	CK-TP-F	EO-F, NL-F, K-F	TP-F	880TP-R
	CK-K-F	EO-F, NL-F, TP-F	K-F	880K-R
	CK-K-F × 373L	EO-F, NL-F, TP-F	L-F	373L × 889 Plate (NL, DT, TP)
8827, 8827-F	CK27-TP	EO, DT, K (std. or fire)	TP (std. or fire)	880TP-V
	CK27-K	EO, DT, TP (std. or fire)	K (std. or fire)	880K-V
	CK27-K × 373L	EO, DT, TP (std. or fire)	L (std. or fire)	373L × 889 Plate (NL, DT, TP)

Conversion kits are required for 88 rim and 8827 devices. To convert functions on 8847 and 8875 devices, only new trim is required. The 8875 mortise lock is field convertible for function.

HOW-TO-ORDER INFORMATION

Rim and mortise lock devices, specify:

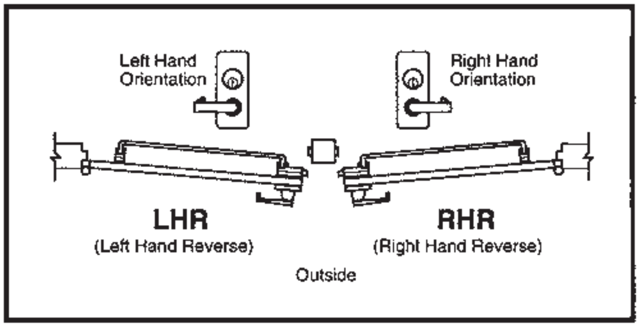
1. Exit device model number with trim selection. Examples: 88EO (Exit only with no outside trim). 88TP (Includes standard 880TP thumbpiece trim). 88TP × 608TP (Includes the optional 608TP thumbpiece trim).
2. Door width if greater than 4′ *(1219mm)*.
3. Door thickness if other than 1³/₄″ *(44mm)*.
4. Door and frame material if other than hollow metal.
5. Finish, see page 17.
6. Handing required on "L" function, "F" fire devices, and the E-88. Specify LHR or RHR. See diagram below.
7. "SNB" when using sex nuts and bolts.

Vertical rod devices, specify:

1. Exit device number with trim selection. Examples: 8827EO (Exit only, no outside trim). 8827TP (Includes 880TP thumbpiece trim). 8827TP × 608TP (Includes the optional 608TP thumbpiece trim).
2. Door width of greater than 4′ *(1219mm)*.
3. Door thickness if other than 1³/₄″ *(44mm)*.
4. Door and frame material if other than hollow metal.
5. Door height if greater than 7′ *(2134mm)*, extension rods must be ordered.
6. Finish, see page 17.
7. Handing, LHR or RHR, required on "L" and "F" fire devices. See diagram below.
8. "SNB" when using sex nuts and bolts.

Pullman latches are optional for 8827 devices. Latchbolts remain extended at all times. Specify "Pullman Latch" when required.

HANDING



NOMENCLATURE

E 88 75 TP F -BE

E — Electric Locking
PL — Pullman Latch

88 — Series 88

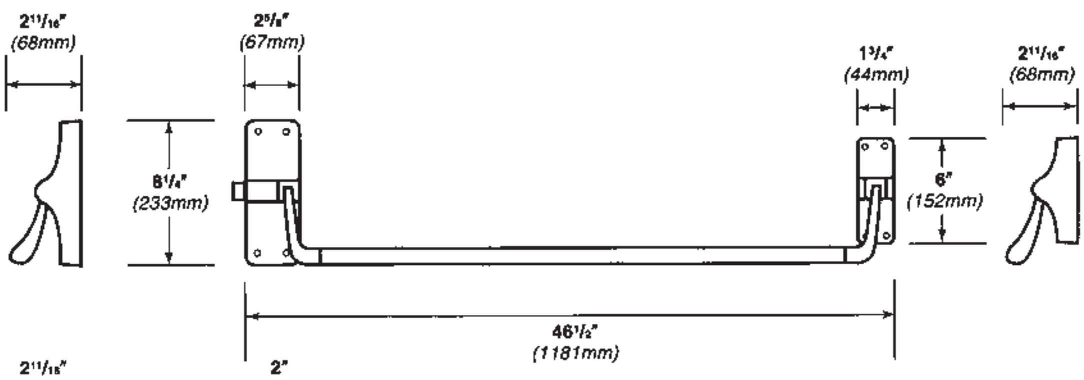
None — Rim Device
27 — Surface Mounted Vertical Rod Device
47 — Concealed Vertical Rod Device
75 — Mortise Lock Device

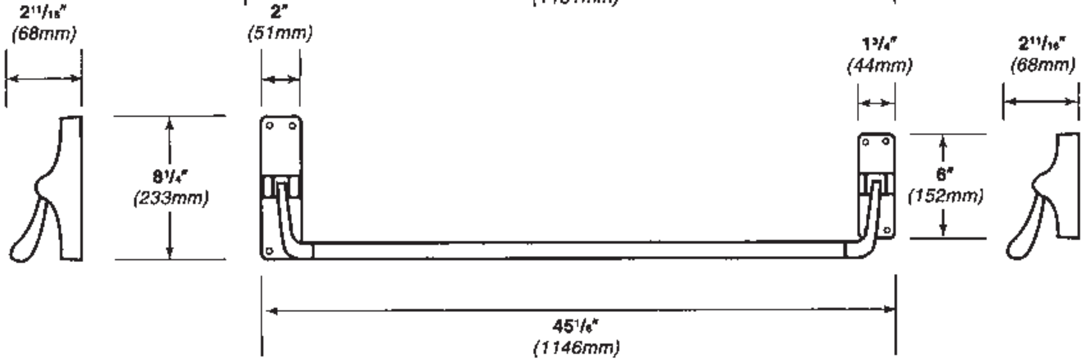
DT — Dummy Trim
EO — Exit Only
K — Knob
L — Lever
NL — Night Latch
TL — Turn Lever
TP — Thumbpiece

F — Fire Exit Device

BE — Blank Escutcheon

DIMENSIONS





INGERSOLL-RAND
ARCHITECTURAL HARDWARE

Von Duprin Division

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Indianapolis, IN 46206
(317) 897-9944

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